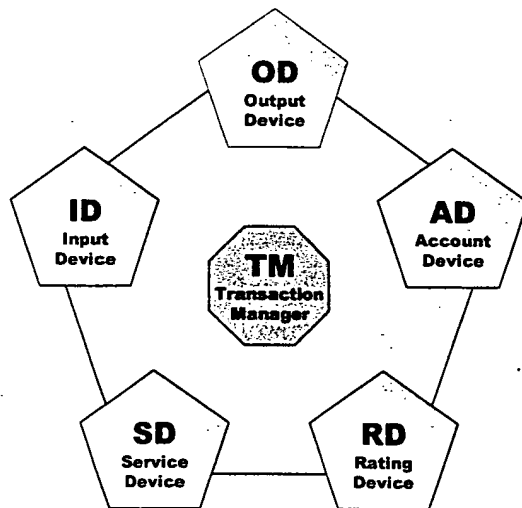


Fig. 1



- **TM : Transaction Manager**
 - Enforces transaction integrity
- **ID : Input Device**
 - Captures end-user requests
- **SD : Service Device**
 - Provides the service
- **RD : Rating Device**
 - Rates transaction
- **AD : Account Device**
 - Manages pre-paid Accounts
- **OD : Output Device**
 - Queues TDR for Business Application

Fig. 2

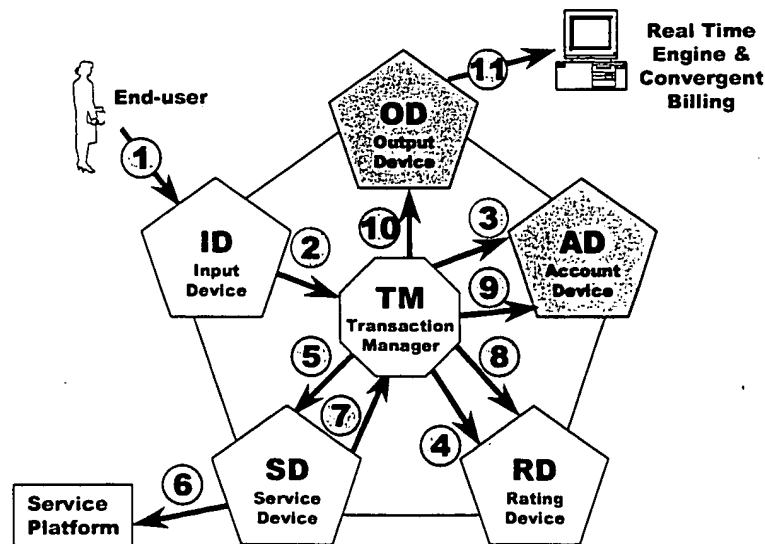


Fig. 3

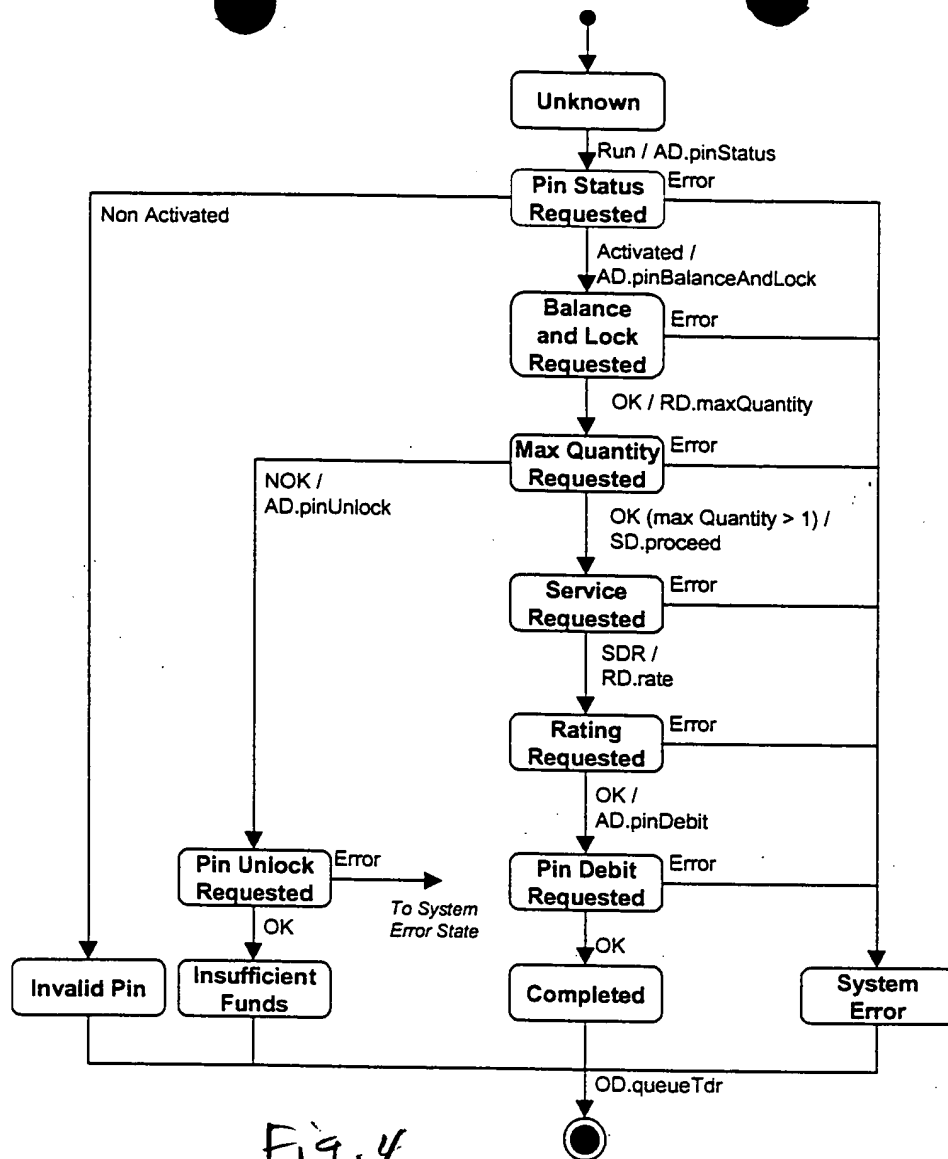
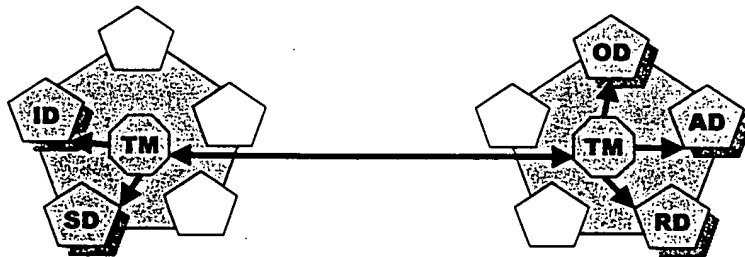


Fig. 4



Foreign TxS

Captures End User Request
Services the Request

Home TxS

Account Management
Rating
TDR Queuing

Fig. 5

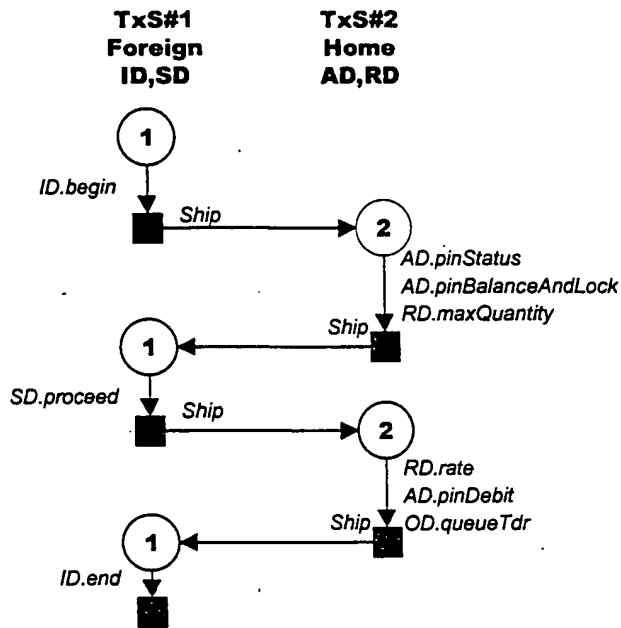


Fig. 6

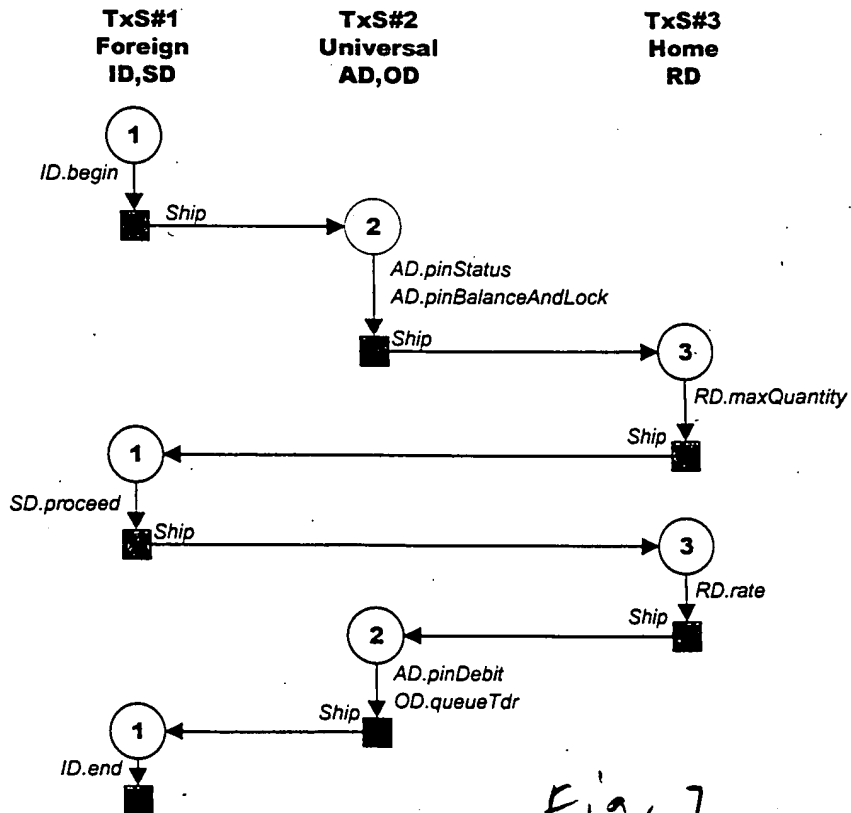


Fig. 7

Transaction First Steps
 (1) End User Request
 (2) Java Transaction Creation
 (3) PIN Balance Check
 (4) Calculate Transaction Cost
 (5) Proceed with the transaction
 (6) ...

HTML Page

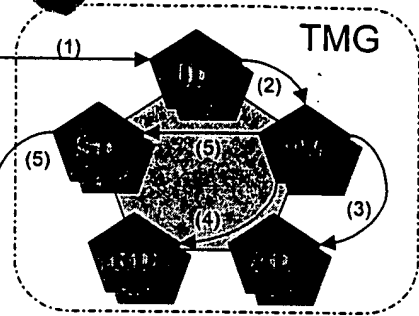


Fig. 8

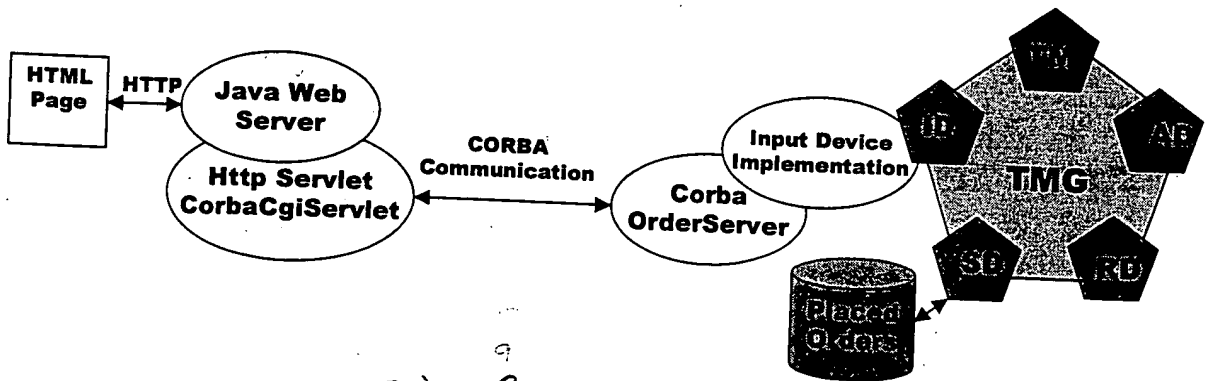


Fig 9

```
<FORM action="/servlet/CorbaCgiServlet" method="Get">
  <INPUT type=hidden name=CorbaCgiServerName value=OrderServer>
  ...
</FORM>
```

Fig. 10

```
public void doGet(HttpServletRequest req, HttpServletResponse res)
    throws ServletException, IOException
{
    String serverName = req.getParameter("CorbaCgiServerName");
    ServletOutputStream out = res.getOutputStream();
    ...
    tools.web.CorbaCgiInterface server =
        CorbaCgiInterfaceHelper.bind(tools.corba.CorbaUtil.ORB(), serverName);
    ...
    String output = server.exec(req.getQueryString());
    res.setContentType("text/html");
    out.println(output);
}
```

Fig. 11

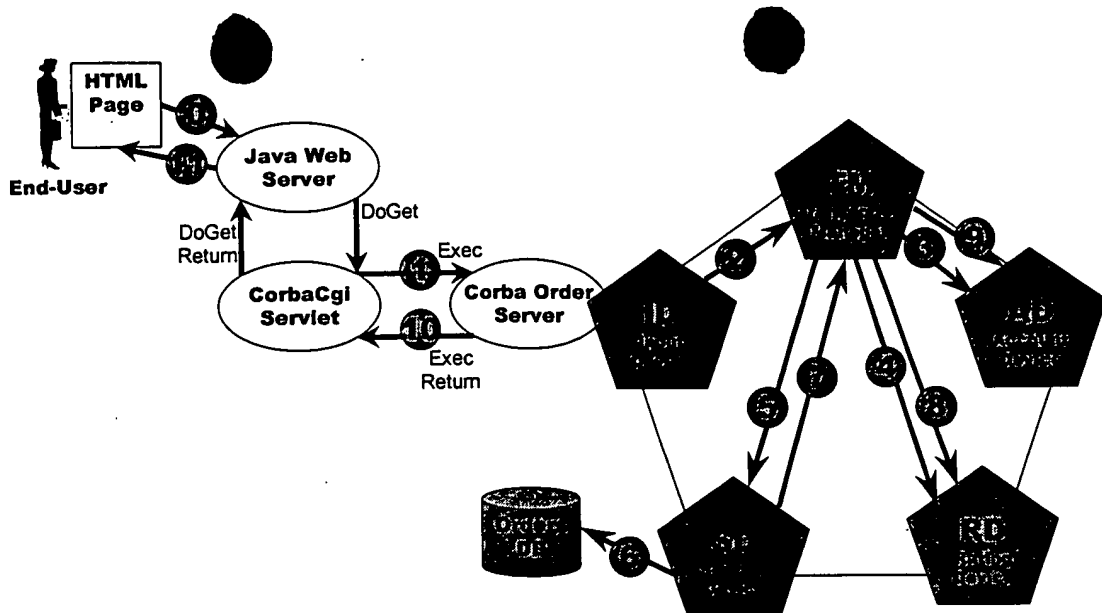


Fig. 12

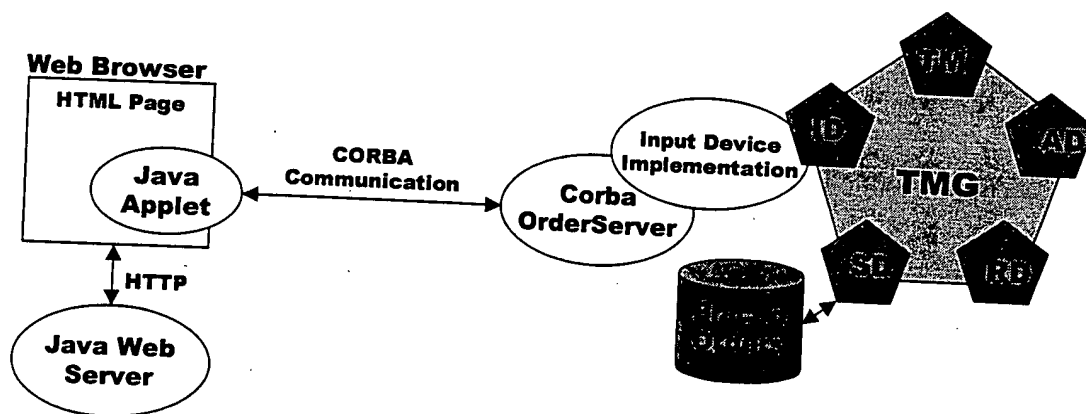


Fig. 13

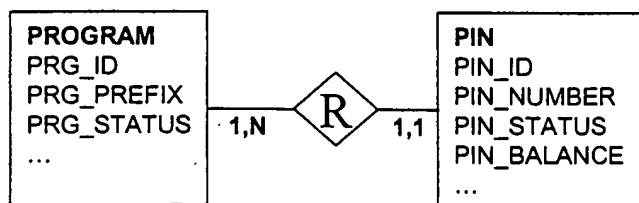


Fig. 14

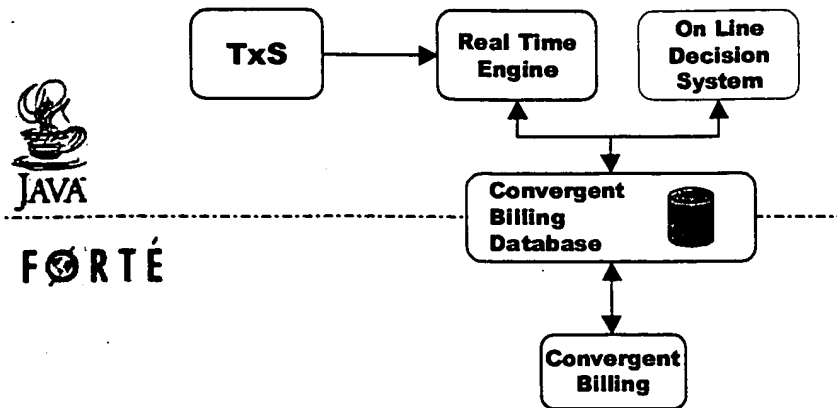


Fig. 15

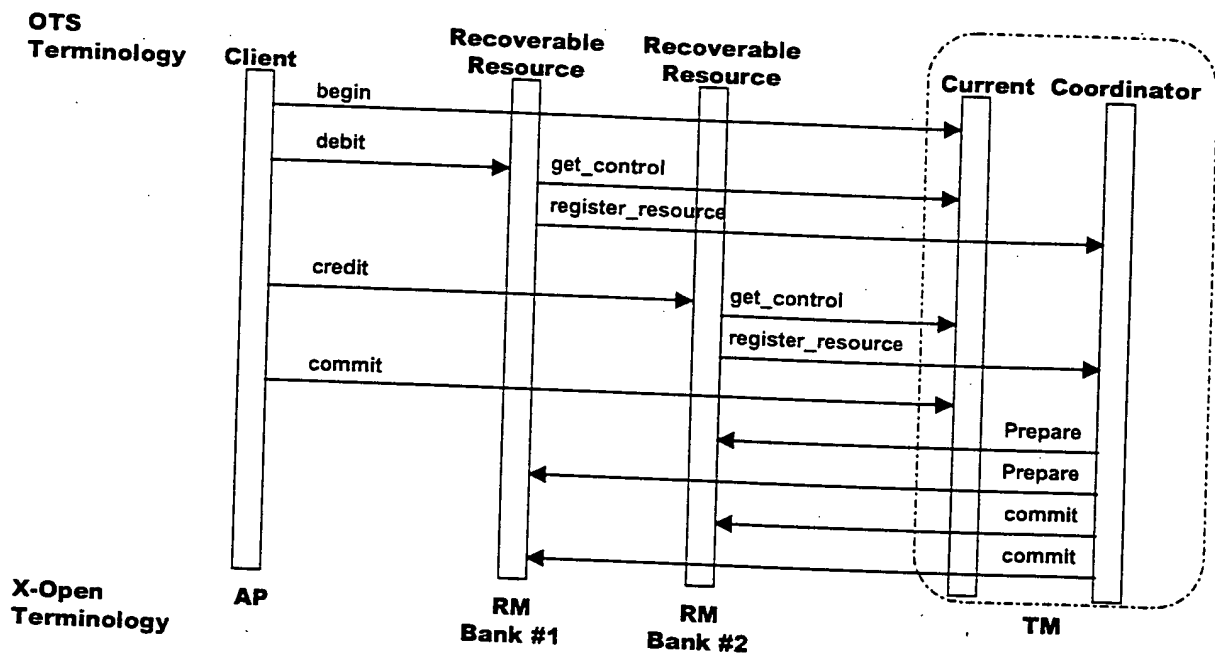


Fig. 16

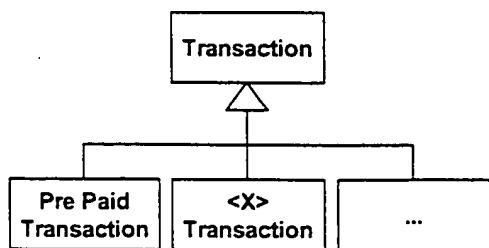


Fig. 17

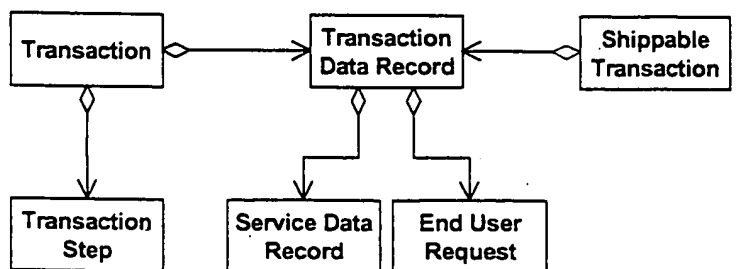


Fig. 18

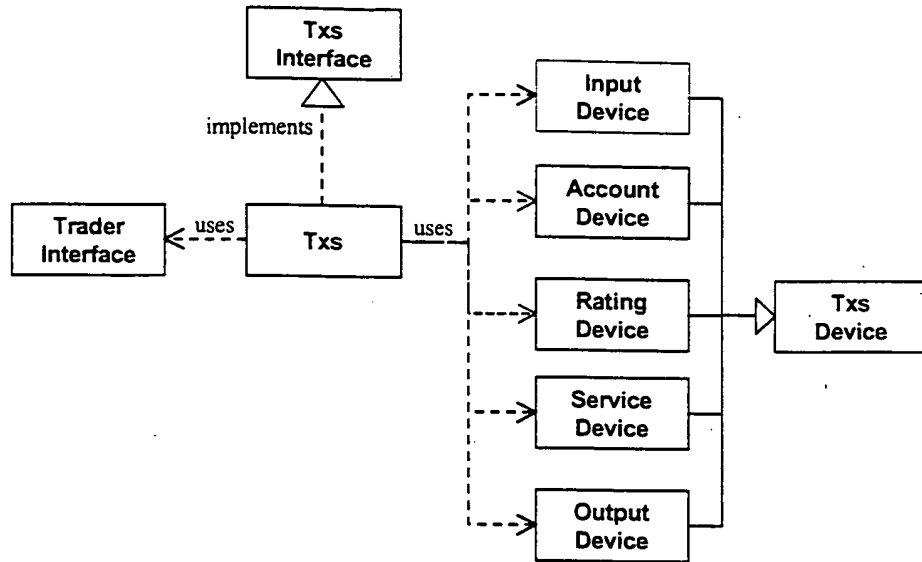


Fig. 19

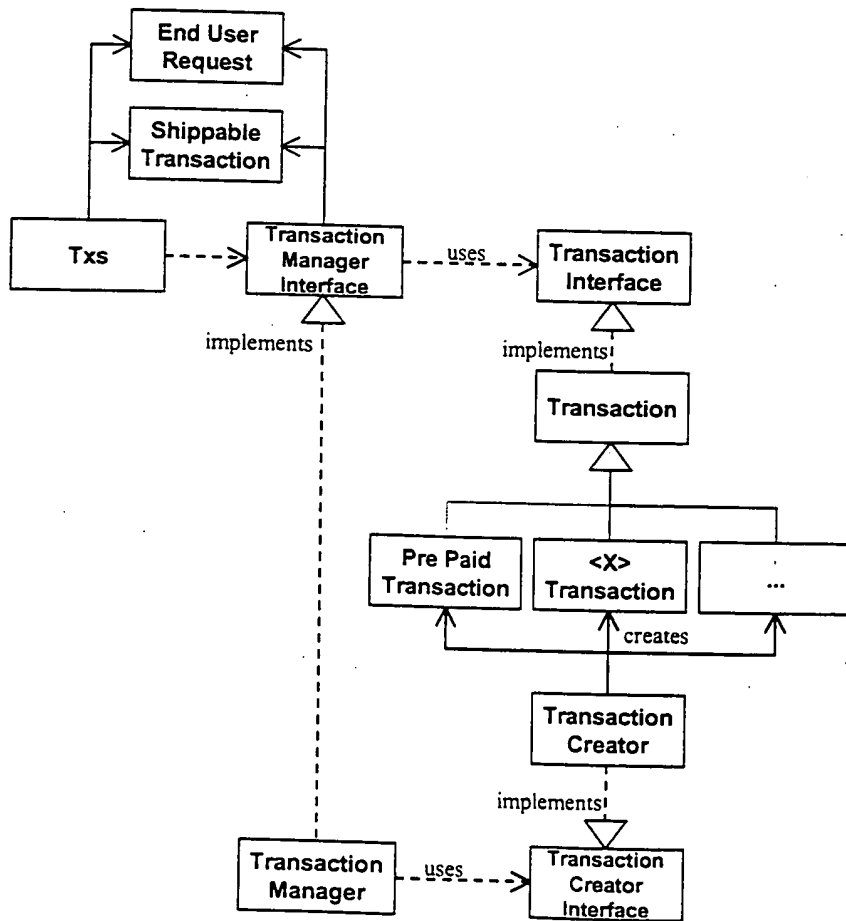


Fig. 20

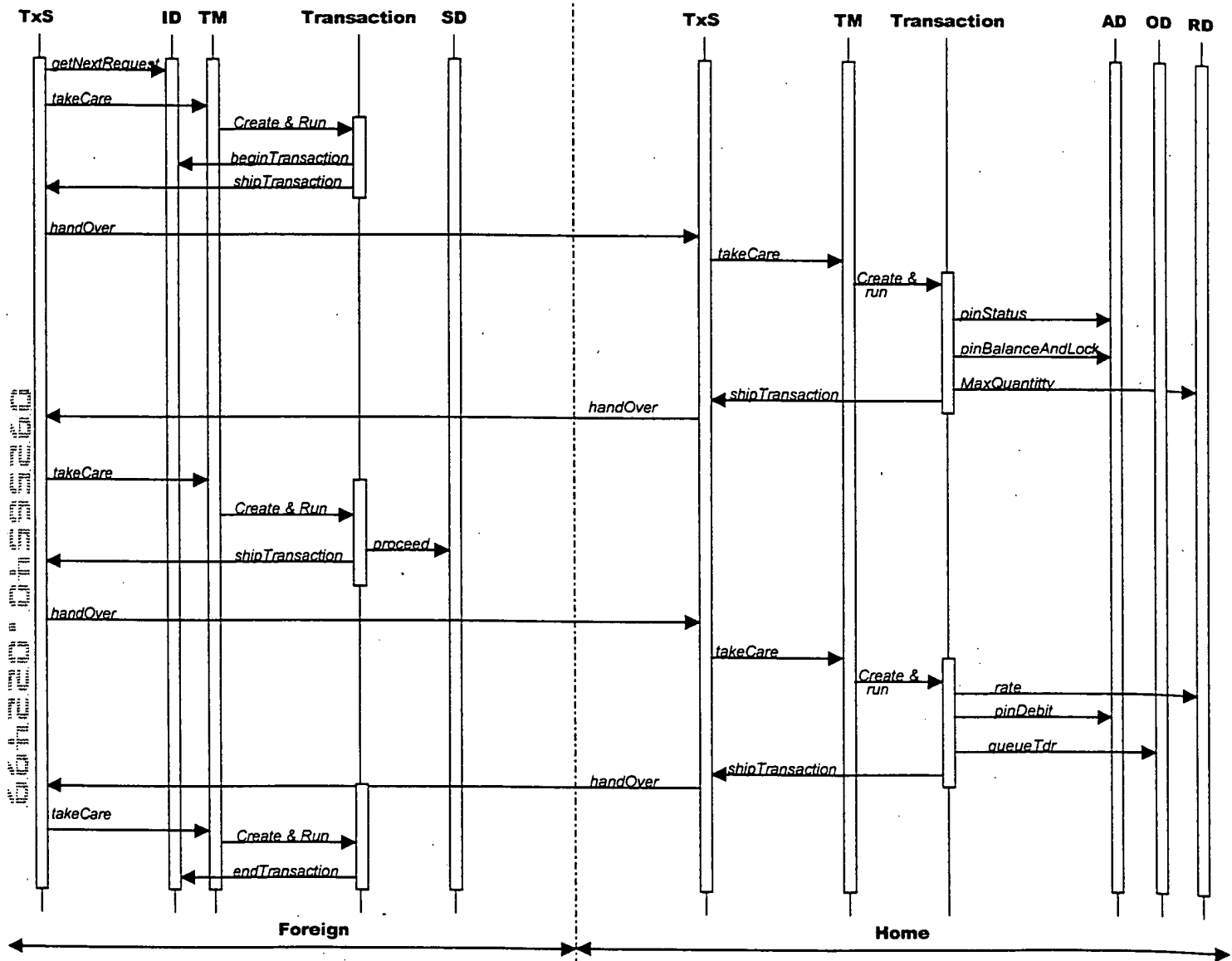


Fig. 21